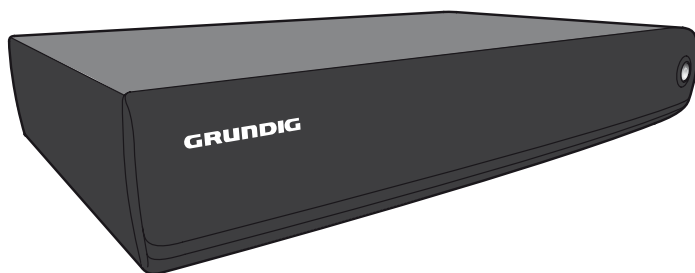


# GRUNDIG

GUD1600TS1G

Digital Set Top Box With Time Shift

Instruction Manual



**IMPORTANT: Please read all instructions  
carefully before use and keep for future reference.**

## Introduction

**Thank you for choosing this GUD1600TS1G Digital Box.**

**Not only can it receive over 50 digital TV channels and up to 24 digital radio stations, but you can also play, pause and rewind live tv for up to an hour, all at the touch of a button.**

**IMPORTANT: Use of any electrical equipment should be undertaken with care. Please read the safety section on page 20-21 before using your Digital Box. This appliance is for household use only.**



**A Digital Box lets you access the free digital channels that are broadcast in the UK. It uses a digital signal, received through your normal aerial and lets you watch it through your existing television.**



**Over 50 digital TV channels.  
Up to 24 digital radio stations.  
No subscription, no contract, no fuss.  
No installation, easy set up.  
Red button interactive services.**

**IMPORTANT: The screens and illustrations shown in this instruction manual are for reference and instruction purposes only, and may not exactly represent the final product.**

## Coverage

**Check coverage in your area.**

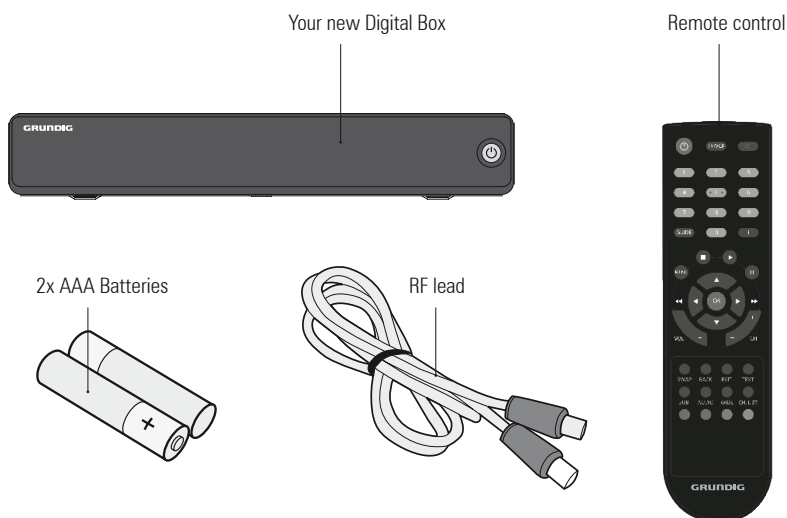
Text your postcode, followed by your house number or name to **83331\***.

Or visit **[www.freeview.co.uk](http://www.freeview.co.uk)**

\*e.g. NW9 6NY (Costs no more than a normal text.)

The FREEVIEW service is subject to coverage. An aerial upgrade may be required. The FREEVIEW, FREEVIEW+, FREEVIEW+ HD words and logos are trade marks of DTV Services LTD. DTV Services Ltd 2002, 2008.

## What's in the box?



## Other things you will need

### Roof top aerial

It is recommended that you use a wideband rooftop aerial in order for your Digital Box to work properly. For more information visit [www.digitaluk.co.uk](http://www.digitaluk.co.uk).

### Scart cable

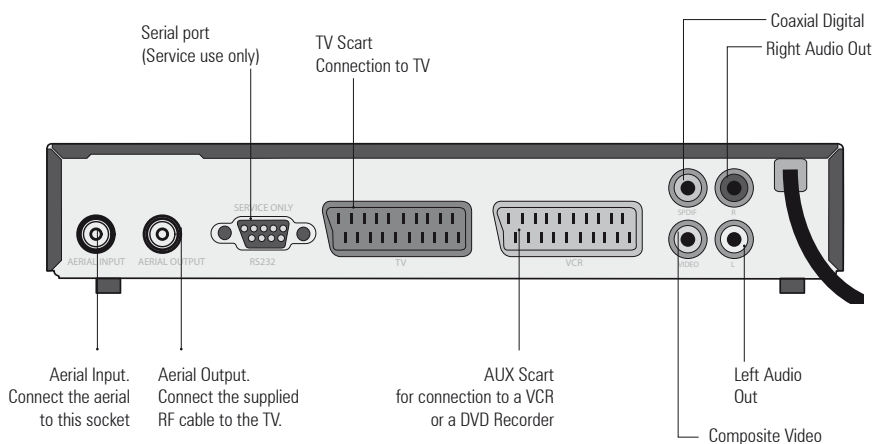
You **will** need a Scart cable to connect between your Digital Box and your TV. If you want to connect a DVD recorder to your Digital Box, you will require an additional Scart cable.

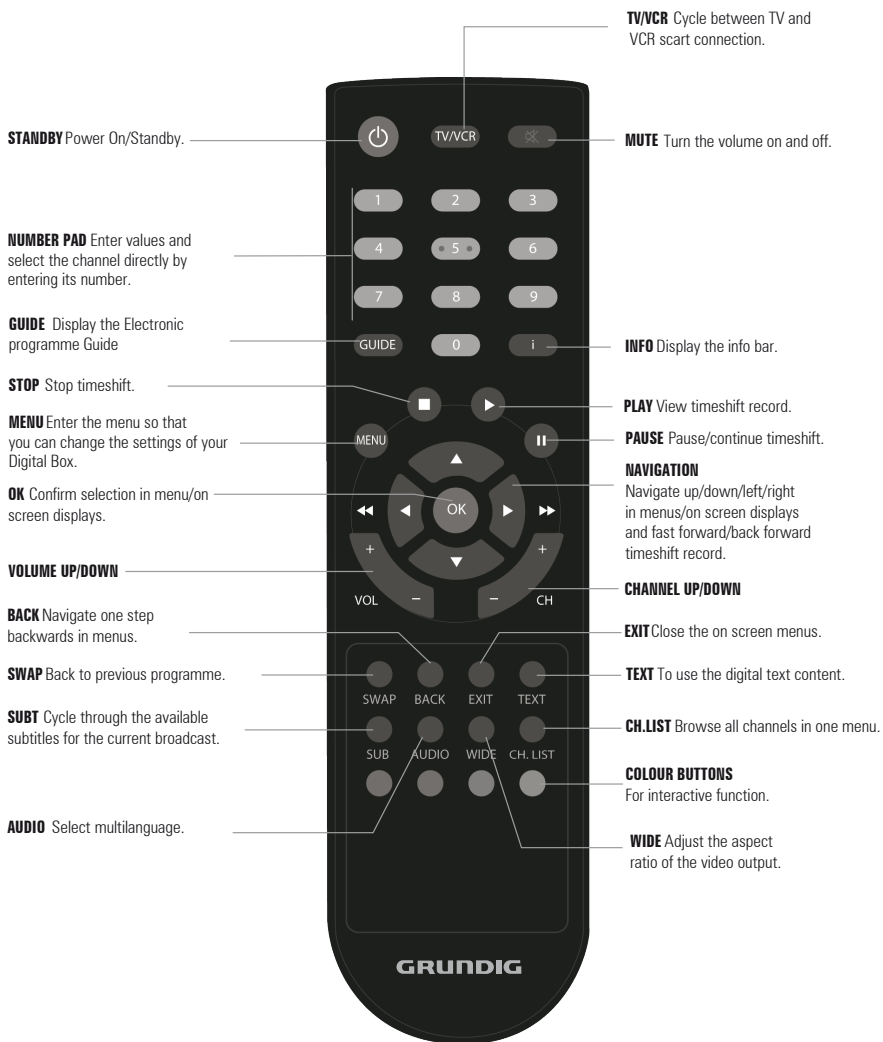
<b>01</b> Your Digital Box.....	4	<b>06</b> Advanced features.....	13-15
<b>02</b> Your remote control .....	5	<b>07</b> Re-tuning.....	16
<b>03</b> Connecting up.....	6	<b>08</b> Pausing Live TV.....	17
<b>04</b> Getting started.....	7	<b>09</b> Troubleshooting .....	18
<b>05</b> Daily use.....	9-11	<b>10</b> Specifications .....	19

## Front view



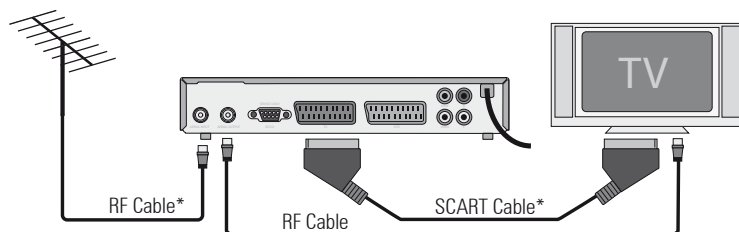
## Back view





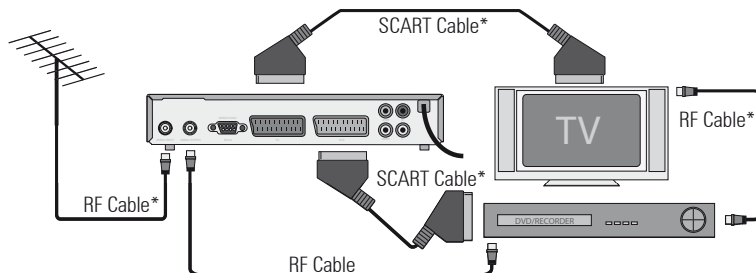
## Getting connected

Connecting to the TV with SCART

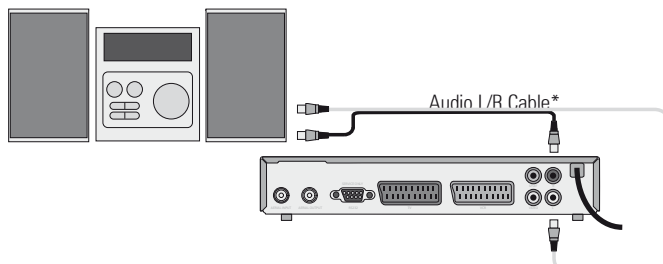


## Other connections

Connecting to the TV and DVD recorder with SCART



Connecting a Hi-Fi system



\* Not included in the box

1

### Install batteries in remote

Remove the battery cover. Insert two size AAA batteries so that the '+' and '-' marks on the batteries match the '+' and '-' marks inside the unit. Replace the battery cover.

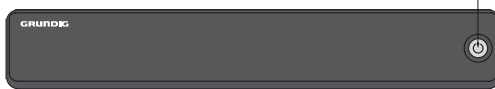


2

### Plug in and switch on

Insert the Digital Box mains plug into a mains socket. Press the standby button to turn the unit on.

Switch your TV on.

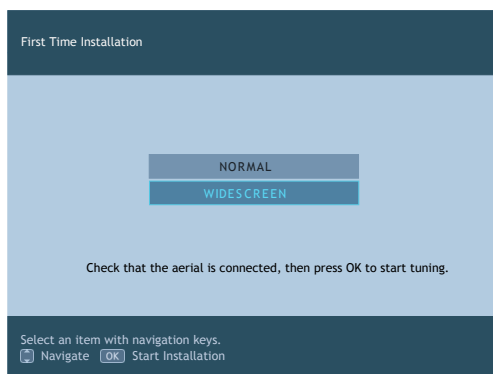


3

### The Easy install screen

The first time installation will appear on screen. Select the aspect ratio (screen size), using the up and down arrow buttons to move between the options: NORMAL and WIDESCREEN.

Press the **OK** button to start the installation. The Digital Box will automatically begin to tune.



## 4

**Tuning in**

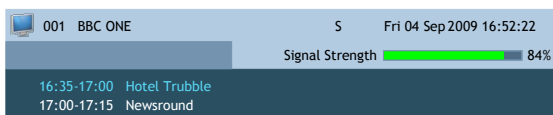
When your digital box is tuning in, you will see the channels that have been found during the installation listed. This screen also shows you, the signal strength that is being received. It will take a few minutes for your digital box to find all the channels.



## 5

**Installation complete**

When installation is successfully completed, the channel at the top of the channel list will be shown on your TV. The information banner will be shown on screen for a few seconds.



## 6

**Problems installing?**

If steps 1 to 5 have not installed your digital box, there are a couple of things that you should retry.

1. Check all connections to your digital box and TV, making sure that they are secure and connected to the correct sockets. See page 6.

2. Try the installation again;

Press the **MENU** button on your remote control.

Select 'Retune' using the up and down arrows.

Then press the **OK** button.



## Daily use

### Commonly used features

As with most of your electrical goods, there will be functions you use everyday, and others that you need only occasionally. We've put the most commonly used functions in this section so you can get your Digital Box up and running as quickly as possible.

We suggest you read this section carefully, then use the other sections to dip in to whenever you need some extra details or some guidance for settings.

### Using the Main Menu



The main menu gives you access to all the functions and features of your new digital box.

To view the main menu press the **MENU** button on your remote control.

Use the **▲▼** buttons to select an option, and then press **OK** to open it.

To go back to the previous screen or menu, press the **BACK** button; to close a menu press the **EXIT** button.

### Using the EPG



The Electronic Programme Guide, or EPG, is an on-screen TV guide. It shows all scheduled programmes in advance for every tuned in channel. Press the **GUIDE** button on the remote control to access the guide.

You can use the **▲▼** buttons to select a different channel. Press **OK** to watch the selected channel in the preview window.

To watch the programme in full screen and close the EPG window, press the **EXIT** button.

You can use the coloured buttons on your remote control to change the EPG to a different time. The red button will move backwards 2 hours, the green button will go forwards 2 hours, the yellow button will go back 24 hours and the blue button will go forwards 24 hours.

If you want to see extra information about a programme, press the right arrow button to select it, and then press the **INFO** button.

## Now and Next

You can change the view of the EPG to a now and next format by pressing the **MENU** button when the EPG is open.



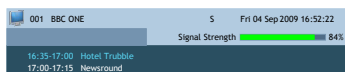
The now and next view is handy if you looking for a programme to watch.

Both EPG views also contains digital radio channels. These are usually saved to the higher numbers, starting at around channel 700.

## Changing the channel

You can select the channel you want to watch by using the **CH ▲** and **CH ▼** buttons on the remote control.

As you change the channel the information bar will be shown on screen for a few seconds.



This shows details of the currently showing and the next programme for the selected channel.

Alternatively you can use the number buttons to key in the channel number.

## Changing the volume

You can change the volume of your Digital Box by using the **VOL ▲** and **VOL ▼** buttons on the remote control. **VOL ▲** will increase the volume and **VOL ▼** will decrease the volume.

**DON'T FORGET! You may need to check the volume setting on your TV, as this volume control changes the digital box only.**

To turn the volume off, press the mute button on the remote control. To turn it back on, press the mute button again.

## Using subtitles

To use subtitles, press the **SUBT** button on the remote control. When subtitles have been turned on, the panel shown below left will be displayed and the subtitle text will start to display on screen.

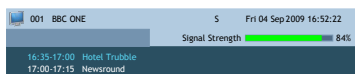
Press the **SUBT** button again to turn off subtitles. The panel shown below right will be displayed and the subtitle text will no longer be displayed.



**DON'T FORGET! Subtitles are only shown when they are broadcast with the programme. Not all programmes have subtitles.**

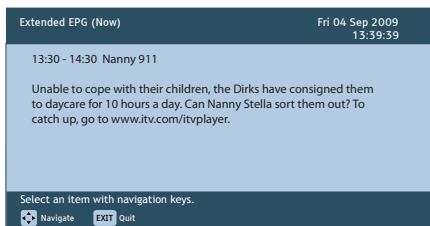
## The info banner

The info banner can be accessed when you are watching a TV programme, by pressing the **INFO** button.



The info banner shows you the date, time and signal strength, and also shows you details of the programme you are watching and the next programme following it.

If you press the **INFO** button again, you will see an extended view, with further information about the programme.



## Using digital text

Many digital channels also provide digital text. For example this could be information about programmes, the weather, news and many other topics.

To use digital text, press the **TEXT** button on the remote control. An example is shown below.

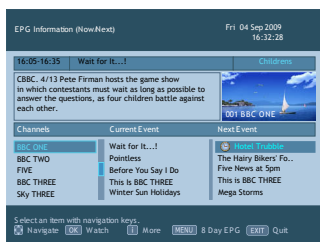


**DON'T FORGET! Not all channels have digital text.**

## Setting a reminder

You can set your TV to remind you when a programme you want to watch is about to start.

- 1 Press the **GUIDE** button.
- 2 Scroll to the programme you want to be reminded about using the arrow buttons.
- 3 Press the **OK** button.

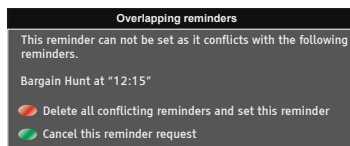


- 4 A clock icon has now been placed adjacent to the selected programme. The reminder has now been set. Press the **EXIT** button to go back to the programme you were watching.
- 5 When the reminder time has been reached a pop up box will appear.



Use the left and right arrow keys to choose 'YES' to go to the programme, 'NO' to delete the reminder, or 'DELAY' to remind you again in a few minutes. Press the **OK** button to confirm.

- 6 If a reminder clashes with the start time of a reminder already set, a warning pop up window will be shown.



- 7 Press the red button to delete the old reminder and replace it with the new one, or press the green button, to cancel the new reminder and keep the existing one.

## Organising your channels

You can lock, skip, delete and move channels in your channel list.



- 1 Press the **MENU** button.
- 2 Select 'Channel Organiser' and then press the **OK** button.
- 3 The channel list will be shown, see below. From this menu you can press the green button to lock the selected channel, press the yellow button to skip the channel (when using the **CH ▲** and **CH ▼** buttons), press the red button to delete the selected channel and the blue button to move the channel up or down the list.



- 4 When a channel is Locked or tagged to be skipped, an icon will be placed in the list to indicate these facts. Locked

items cannot be moved or deleted while in these states. When an item is deleted it will be permanently removed from the list and will no longer be accessible until re-tuned.

- 5 To move a channel, use the **▲▼** buttons to select the channel and then press the blue button. The channel name will be highlighted grey. Use the **▲▼** buttons to move to the position where you want to relocate the channel and then press the **OK** button.

**DON'T FORGET! You can re-tune your Digital Box to retrieve channels you have deleted. See Re-tuning on page 16.**

## Settings menu

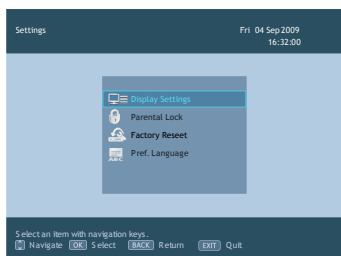
The settings menu lets you alter the default settings of your Digital Box.

- 1 Press the **MENU** button to display the main menu.



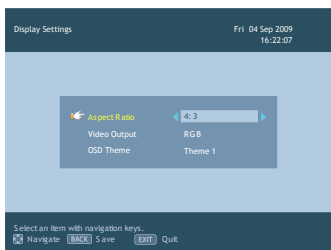
- 2 Select 'Settings' and then press the **OK** button.
- 3 The settings menu will be displayed.

The Settings menu has four sub menus as shown below.



### Display settings

This function allows you to set the items shown in the window below that displays when you select Display Settings and press the OK button



The **Aspect Ratio** function lets you select the screen display to be 16:9, 4:3 or AUTO. The latter will automatically reformat according to the program format.

The **Video Output** function lets you choose to use RGB or CVBS (composite) video. RGB will give a picture than CVBS.

The **OSD Theme** option lets you choose from three different colour schemes for the on-screen and menu displays, theme 1, 2 and 3. The only difference is the colour.

### Parental lock

The Parental Lock function allows you to set a password function on or off. It also lets you change the password.

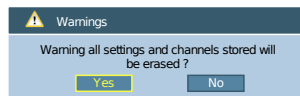
- 1 Use the up down buttons to highlight 'Parental Lock' and then press the **OK** button. Use the buttons to select, confirm, return or quit according to the button labels along the bottom of the Parental Lock window to carry out any changes you require.
- 2 Make sure you have noted the new password if one has been set.

**DON'T FORGET! You will need to enter your password when you want to run Factory Reset, even when Parental Lock is Off.**

### Factory reset

This function resets all settings to the factory default settings.

- 1 To reset your Digital Box to the original factory settings, select the 'Factory Reset' option in the menu.
- 2 Select 'YES' in the box that displays and then press the **OK** button.



- 3 If the Parental Lock is set to on, then to carry out a reset you will need to enter the correct password in the password box when it displays.

Use the numerical buttons on the remote control.

- 4 After the correct 4-digit password has been entered your Digital Box will reset all settings to the default settings and re-tune all channels.

### Preferred Language

You can choose from the selection of languages provided for on-screen display. You can select from: English, Gaelic, Welsh and Irish.

### System Information

The 'System Information' window gives you information about your Digital Box, see below. It is useful to have this information if you need to contact the call centre for help.

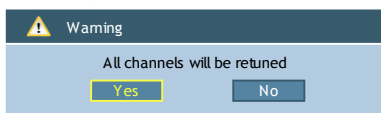
**DON'T FORGET! The information shown on your screen may differ to the one shown below.**

System Information	
H/W Version	: 5167v1.0
S/W Version	: A2FS TOU_21_0100
Date	: 07/10/2008
Time	: 18:30:45
Model Number	: GUD1600TS1G
Subtitle Status	: OFF
Laanguage Status	: English
No of Channels Found	: 98
Help Line Number	: 0871 230 1777
Transmitter Name	: East Anglia
Exit	

## Retuning your Digital Box

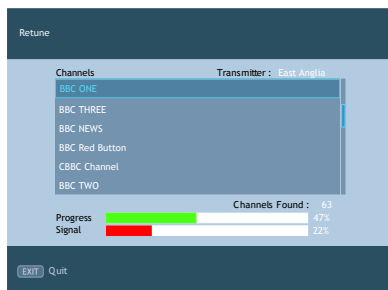
As digital switchover happens in your region, and extra channels and services are launched, you will need to retune your Digital Box.

- 1 Press the **MENU** button.
- 2 Select 'Retune' and then press the **OK** button.
- 3 When you see the warning popup screen, select 'Yes' using the arrow keys on your remote control, and then press the **OK** button.

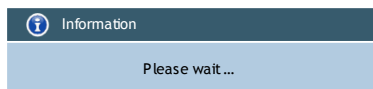


**DON'T FORGET! You will need to enter your password when Parental Lock is On.**

- 4 The re-tuning progress screen will be displayed (below) showing you how many channels have been found and saved. Scanning may take several minutes to complete.



- 5 When finished, the following message will be displayed briefly.



- 6 The first channel in the channel list will then be displayed. Its Info banner will also be displayed for a short time.
- 7 Your Digital Box has now been retuned.



This function is sometimes referred to as time shifting, and is very useful if your watching a programme and the phone rings.

To pause live TV, press the **PAUSE** button on the remote control.

|| Time shifting BBC NEWS 24 00:00:00/00:02:40

The time counter will start, and shows the amount of time that the programme has been paused.

To continue watching TV, press the **PLAY** button again and the programme will begin again from where you left off.

▶ Play 00:02:30/00:08:20

You can fast forward, and fast rewind using the **FAST FORWARD** and **REWIND** buttons on the remote control. The speed and direction are shown on the screen.

◀◀ FastBackward 2X 00:02:15/00:08:20

▶▶ FastForward 2X 00:02:30/00:08:20

To change the speed press the **FAST FORWARD** and **REWIND** buttons again.

You can use the slow motion feature by first pressing the **PAUSE** button, and then pressing the **FAST FORWARD** button.

▶▶▶ Smooth Forward 2X 00:01:10/00:08:20

To stop time shifting mode and go back to live TV, press the **STOP** button.

Playback caught up recording

**DON'T FORGET! You can pause live tv for up to a maximum of 1 hour using the built in memory.**

**Please note indoor aerial are not recommended for use with this product (this includes loft aerials) otherwise you may experience problems with reception or picture break ups on some channels.**

Problem	Possible cause	What to do
Standby light not lit	Mains lead unplugged Mains fuse blown	Check mains lead Check fuse
No signal found	Aerial is disconnected Aerial is damaged/misaligned Out of digital signal area	Check aerial lead Check aerial Ensure that you are capable of receiving Digital TV
No picture or sound	Tuned to digital teletext channel	Switch to another channel
Scrambled channel message	Channel is scrambled	This Digital Box is not able to decode scrambled channels
No response to remote control	Digital Box is switched off Handset not aimed correctly Front panel obstructed Remote batteries exhausted	Plug in and turn on plug Aim remote at the front panel Check for obstructions in front of the Digital Box Replace the remote batteries
Forgotten PIN code		Contact the helpline
You have moved your TV and you find you are no longer able to receive digital channels	The aerial feed maybe sent through a distribution system which can/may reduce the digital signal now received by the Digital Box	Try a signal booster or a direct feed from the aerial

### Need extra help?

**If you have a technical enquiry or a problem with this Digital Box, just call  
0871 230 1777**

<b>Tuner and channel</b>	<ul style="list-style-type: none"> <li>• RF input connector (IEC-TYPE, IEC169-2, female)</li> <li>• RF output connector (IEC-TYPE, IEC169-2, male)</li> <li>• Frequency range: 470MHz ~862MHz (UHF)</li> </ul>
<b>Decoder</b> <ul style="list-style-type: none"> <li>• Transport stream</li> <li>• Profile level</li> <li>• Input rate</li> <li>• Video format</li> <li>• Audio format</li> <li>• Video output</li> </ul>	<p>MPEG-2 ISO/IEC 13818</p> <p>MAX. 15Mbit/s</p> <p>MPEG-2 Main profile @main level</p> <p>4:3/16:9 Switchable</p> <p>MPEG Layer I &amp; II, 32 / 44.1 / 48KHz</p> <p>RGB, CVBS</p>
<b>Connection</b> <ul style="list-style-type: none"> <li>• Main power cable</li> <li>• Tuner</li> <li>• Video</li> <li>• Audio</li> <li>• Data port</li> </ul>	<p>Fixed type</p> <p>Aerial input</p> <p>Composite video output, twin scart</p> <p>Stereo audio output, digital coaxial audio output</p> <p>RS-232 (for service use only)</p>
<b>Power supply</b> <ul style="list-style-type: none"> <li>• Input voltage</li> <li>• Power consumption</li> </ul>	<p>AC 230V ~50Hz</p> <p>MAX. 8W/standby &lt;1W</p>

**IMPORTANT: Due to continual revision and improvements to our products design, specifications are subject to change without notice.**

## Electrical Information

This Digital Box is fitted with a BS1363/A 13 amp plug. If it is not suitable for your supply sockets it must be removed and replaced with an appropriate plug. If the plug becomes damaged and/or needs to be replaced please follow the wiring instructions below. The plug removed must be disposed of immediately. It must not be plugged into a supply socket as this will be an electrical hazard. If the fuse needs to be replaced it must be of the same rating and ASTA approved to BS1362. If the plug is changed, a fuse of the appropriate rating must be fitted in the plug, adapter or at the distribution board. If the fuse in a moulded plug is replaced, the fuse cover must be refitted before the appliance can be used.

### Wiring Instructions

The supply cable will be either 2-core or 3-core. Follow the appropriate wiring instructions given below. In both cases ensure that the outer sheath of the cable is firmly held by the cable clamp.

#### 2- Core plug



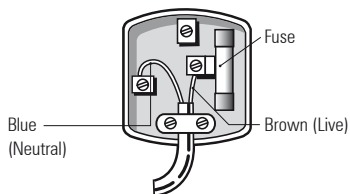
**WARNING:** Do not connect either wire to the earth terminal.



This symbol indicates that this 2-core appliance is Class II and does not require an earth connection.

The wire coloured blue must be connected to the terminal marked with the letter N or coloured black.


The wire coloured brown must be connected to the terminal marked with the letter L or coloured red.



#### 3- Core plug

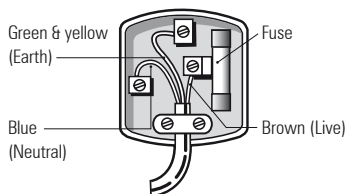


**WARNING:** This appliance must be earthed.

The wire coloured green and yellow must be connected to the terminal marked with the letter E, or by the earth symbol , or coloured green or green and yellow.

The wire coloured blue must be connected to the terminal marked with the letter N or coloured black.

The wire coloured brown must be connected to the terminal marked with the letter L or coloured red.



## Warnings

- Unqualified attempts to repair this Digital Box will invalidate the warranty.
- Refer repairs to this Digital Box to a qualified service personnel only.
- Do not disassemble this Digital Box.
- There are dangerous-voltage parts inside that may cause electric shock even after power is disconnected.
- Store your Digital Box in a clean, dry environment.
- Unplug the Digital Box immediately if it gets wet, and consult a servicing technician.
- Always unplug the Digital Box before cleaning it.
- Wipe dust off the cabinet of the Digital Box with a clean, dry and soft cloth.
- Do not place any objects on top of the Digital Box.
- Avoid exposing your Digital Box directly to sunlight or other heat sources.
- Put your Digital Box in a well-ventilated area away from high humidity.
- Do not expose this Digital Box to rain or moisture, dripping or splashing.
- For stubborn stains use a damp (not dripping) cloth.
- Do not use any cleaning solutions on this Digital Box.

## Safety Tips

If smoke, abnormal noise or odour comes out of this Digital Box, unplug from the mains supply immediately and contact the retailer. Never try to repair the Digital Box on your own. Always contact the dealer for repairs.

## Note

This manual contains for-reference-only graphics and information that are subject to change without notice.

## WEEE



This appliance is labelled in accordance with European Directive 2002/96/EG concerning used electrical and electronic appliances (waste electrical and electronic equipment - WEEE). The guideline determines the framework for the return and recycling of used appliances as applicable throughout the EU.

## Guarantee

This digital box is guaranteed for twelve months from the date of original purchase. If there is any defect due to faulty materials or workmanship, contact the Customer Helpline. Have your receipt of purchase available.

The guarantee is subject to the following provisions:

- It is only valid within the boundaries of the country of purchase.
- The product must be correctly installed and operated in accordance with the instructions contained in this instruction manual.
- The digital box must be used solely for domestic purposes.
- The guarantee will be rendered invalid if the digital box is re-sold or has been damaged by inexpert repair.
- The manufacturer disclaims any liability for incidental or consequential damages.
- The guarantee is in addition to, and does not diminish, your statutory or legal rights.



# get set for digital

## How the Digital switchover may affect you:

Television in the UK is going digital, bringing us all more choice and new services.

Starting in late 2007 and ending in 2012, television services in the UK will go completely digital, TV region by TV region.

The map shows when your area will switchover to digital. When the TV switchover happens in your area, there are at least two occasions when you will need to re-tune your Digital Box in order to continue receiving your existing TV channels, and also to pick up new ones.

Digital UK, the body leading the digital TV switchover, will advise you when you need to re-tune during the switchover.

**For re-tuning instructions for this Digital Box please see page 16 of this instruction book.**

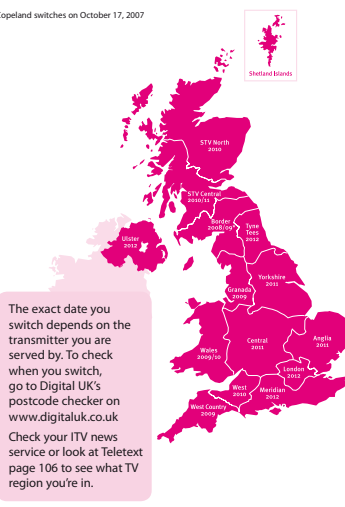
If you find you can't receive the extra digital channels, it may be because your area is not covered by Freeview yet or that you need an aerial upgrade.

Visit [www.digitaluk.co.uk](http://www.digitaluk.co.uk) to check.

If you have any questions, please contact your equipment supplier or call Digital UK on 0845 6 50 50 50 or visit [www.digitaluk.co.uk](http://www.digitaluk.co.uk).

## When does switchover happen?

\*Copeland switches on October 17, 2007



Visit us at [digitaluk.co.uk](http://digitaluk.co.uk) call us on 0845 6 50 50 50 †